

NEW YORK Profile: Jobs and the Environment

The economy of New York supports numerous jobs related to environmental protection or clean technology which complements environmental protection.

- New York has over 34,636 clean energy jobs from 3,323 businesses as of 2007.¹
- In 2007, 0.34% of all New York jobs were related to clean energy.¹
- The American Recovery and Reinvestment Act of 2009 is expected to create over 109,999 jobs in New York.²
- A study conducted by the Renewable Energy Policy Project (REPP) found that if New York met its RPS goal of having 25% of all electricity purchased from renewable sources by 2013, approximately 15,880 jobs would be created in the renewable energy sector.³

There are over 3,000 companies in New York that currently support the development, deployment or maintenance of clean technology and could benefit from increased demand for products and services.

- Sampling of companies supporting energy efficient equipment or appliances:
 - General Electric, Schenectady, NY – over **4,000 employees**⁴
- Sampling of companies supporting renewable energy:
 - AWS Truepower, Albany, NY – **85 employees**⁵
 - The Radiant Store, Malta, NY – **7 employees**⁶
- Sampling of companies supporting alternative fuel/high efficiency vehicles:
 - Nova Bus, Plattsburgh, NY – **200 employees**⁷
 - Honeywell, Buffalo, NY – **150 employees**⁸

Many new jobs have been or are expected to be created in New York related to clean technologies since 2009.

¹ Pew Charitable Trusts. 2009. The Clean Energy Economy: Repowering Jobs, Businesses, and Investments Across America. http://www.pewcenteronthestates.org/uploadedFiles/Clean_Economy_Report_Web.pdf

² Robert Pollin, James Heintz, and Heidi Garret-Peltier. 2009. The Economic Benefits of Investing in Clean Energy. Department of Economics and Political Economy Research Institute, University of Massachusetts, Amherst. http://www.americanprogress.org/issues/2009/06/pdf/peri_report.pdf

³ New York State Office of the State Comptroller. 2005. Energizing the Future: The Benefits of Renewable Energy for New York State. <http://www.osc.state.ny.us/osdc/renewableenergy.pdf>

⁴ President Obama's Visit to GE in Schenectady Highlights the Role of Clean Energy Technology and Exports in US Job Creation. January 21, 2011. <http://www.genewscenter.com/Press-Releases/President-Obama-s-Visit-to-GE-in-Schenectady-Highlights-the-Role-of-Clean-Energy-Technology-and-Exports-in-US-Job-Creation-2e16.aspx>

⁵ AWS Truepower's solar mapping revenue up \$1M. January 10, 2011. <http://www.bizjournals.com/albany/news/2011/01/10/aws-truepowers-solar-mapping-revenue.html>

⁶ NYSERDA Awards \$180,000 to Malta Company to Promote and Advance Solar Thermal Heating Systems. February 9, 2011. http://www.nyserda.org/Press_Releases/2011/PressReleas20110209.asp

⁷ North Country Success Story. <http://esd.ny.gov/regionaloverviews/northcountry/northcountrysuccessstory.html>

⁸ Gillibrand boosts R&D grants. January 10, 2011. <http://www.bizjournals.com/albany/news/2011/01/10/gillibrand-boosts-rd-grants.html>

Renewable Energy Jobs

- *AWS Truepower, Albany, NY*⁹
 - Business has expanded to **85 employees** since entering the solar industry in 2010, planning to further increase its staff in 2011.
- *WindTamer Corporation, Rochester, NY*¹⁰
 - Awarded \$1.5 million incentive package in January 2011 from state and local governments to enable the expansion of its wind manufacturing facility; the funding will retain all existing jobs at the facility and is expected to create **91 new jobs** by 2016.

Energy Efficiency Jobs

- *General Electric, Schenectady, NY*¹¹
 - Established Renewable Energy Global Headquarters in Schenectady in 2010, created over **650 local jobs**.
 - Plans to locate a state-of-the-art battery manufacturing facility in Schenectady, expected to add **350 jobs**.

Advanced Vehicle

- *Nova Bus, Plattsburgh, NY*¹²
 - Created over **200 new jobs** in New York in 2009 producing transit solutions.
- *Honeywell, Buffalo, NY*¹³
 - Received \$27.3 million recovery grant in 2010 to create lithium ion battery for hybrid vehicles, is helping to retain **150 jobs**.

Other Green Jobs

- *Novomer Inc., Ithaca, NY (headquartered in Waltham, MA)*¹⁴
 - Received \$18.4 million stimulus award in 2010 to commercialize its line of plastic materials based on renewable carbon dioxide feedstocks; funding expected to preserve **200 jobs** for Novomer and its partners.

⁹ AWS Truepower's solar mapping revenue up \$1M. January 10, 2011.

<http://www.bizjournals.com/albany/news/2011/01/10/aws-truepowers-solar-mapping-revenue.html>

¹⁰ WindTamer Corporation Announces Estimated \$1.5 Million State & Local Incentives Package to Support Expansion at its Rochester, NY Facility. January 3, 2011. <http://www.windtamerturbines.com/2011/01/windtamer-corporation-announces-estimated-1-5-million-state-local-incentives-package-to-support-expansion-at-its-rochester-ny-facility/#more-2062>

¹¹ President Obama's Visit to GE in Schenectady Highlights the Role of Clean Energy Technology and Exports in US Job Creation. January 21, 2011. <http://www.genewscenter.com/Press-Releases/President-Obama-s-Visit-to-GE-in-Schenectady-Highlights-the-Role-of-Clean-Energy-Technology-and-Exports-in-US-Job-Creation-2e16.aspx>

¹² North Country Success Story. <http://esd.ny.gov/regionaloverviews/northcountry/northcountrysuccessstory.html>

¹³ Gillibrand boosts R&D grants. January 10, 2011.

<http://www.bizjournals.com/albany/news/2011/01/10/gillibrand-boosts-rd-grants.html>

¹⁴ Novomer gets funding to commercialize carbon-dioxide feedstocks. July 29, 2010.

<http://plasticsnews.com/headlines2.html?id=19276&channel=170>

New York has several state policies that support or encourage clean technology, including technologies related to SCRs or scrubbers, energy efficiency, renewable energy and clean/more efficient automobiles.

- [Renewable Portfolio Standard](#): 29% by 2015
- [New York Building Energy Codes](#): Mandatory energy code, incorporates 2009 IECC
- [NYSERDA Clean Energy Business Growth and Development Program](#): 50% cost share up to \$200,000 to support clean energy businesses
- [System Benefits Charge](#): \$1.89 billion for energy efficiency, R&D, and low-income assistance from 1998 to 2011
- [New York Renewable Power Procurement Policy](#): State government must purchase 10% renewable energy by 2005 and 20% by 2010
- [Incentives](#): Several incentives, including corporate tax credits for green buildings and clean heating fuel, green building incentives, PACE financing, personal tax credits, property tax incentives, state loan programs, rebate programs, and utility programs; programs exist at the state, county, and local levels